



# THE DATASHEET OF AC05F



## ● Part Numbering

### Safety Standard Certified Lead Type Disc Ceramic Capacitors for General Purpose

(Part Number) 

DE	2	E3	KY	102	M	N3	A		F
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

#### ① Product ID ② Series Category

Product ID	Code	Outline	Contents
DE	1	Safety Standard	IEC60384-14 Class X1, Y1
	2	Certified	IEC60384-14 Class X1, Y2

For Electrical Appliance and Material Safety Law of Japan, the first three digits (① Product ID and ② Series Category) express "Series Name."

For Safety Certified Capacitors, the first three digits express product code. The fourth figure expresses certified type shown in ④ Safety Standard Certified Type column.

#### ③ Temperature Characteristics

Code	Temperature Characteristics	Cap. Change or Temp. Coeff.	Temperature Range
B3	B	±10%	-25 to +85°C
E3	E	+20%, -55%	
F3	F	+30%, -80%	
1X	SL	+350 to -1000ppm/°C	

#### ④ Rated Voltage/Safety Standard Certified Type

Code	Rated Voltage
RA	X1: AC440V (r.m.s.), Y1: AC250V (r.m.s.) or X1: AC440V (r.m.s.), Y1: AC300V (r.m.s.) or X1: AC500V (r.m.s.), Y1: AC500V (r.m.s.) (Safety Standard Certified Type RA)
RB	X1: AC760V (r.m.s.), Y1: AC500V (r.m.s.) (Safety Standard Certified Type RB)
KX	X1: AC440V (r.m.s.), Y1: AC250V (r.m.s.) or X1: AC440V (r.m.s.), Y1: AC300V (r.m.s.) (Safety Standard Certified Type KX)
SA	X1: AC300V (r.m.s.), Y2: AC250V (r.m.s.) or X1: AC300V (r.m.s.), Y2: AC300V (r.m.s.) or X1: AC440V (r.m.s.), Y2: AC400V (r.m.s.) (Safety Standard Certified Type SA)
KY	X1: AC250V (r.m.s.), Y2: AC250V (r.m.s.) or X1: AC250V (r.m.s.), Y2: AC300V (r.m.s.) (Safety Standard Certified Type KY)

#### ⑤ Capacitance

Expressed by three figures. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two numbers.

#### ⑥ Capacitance Tolerance

Code	Capacitance Tolerance
J	±5%
K	±10%
M	±20%

#### ⑦ Lead Style

Code	Lead Style	Dimensions (mm)		
		Lead Spacing	Lead Diameter	Pitch of Components
A2	Vertical Crimp Long	5	ø0.6±0.05	—
A3		7.5		
A4		10		
B2/J2	Vertical Crimp Short	5	ø0.6±0.05	—
B3/J3		7.5		
B4/J4		10		
N2	Vertical Crimp Taping	5	ø0.6±0.05	12.7
N3		7.5		15
N4		10		25.4

#### ⑧ Packaging

Code	Packaging
A	Ammo Pack Taping
B	Bulk



#### ⑨ Individual Specification Code

For part number that cannot be identified without "Individual Specification," it is added at the end of part number, expressed by three-digit alphanumerics.

#### ⑩ Halogen-free Compatible Product

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View AC05F on WIN SOURCE](#)
-  [Murata Electronics North America Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management